



Turtle Mountain Community College

10145 BIA Road 7
P.O Box 340
Belcourt, ND 58316
Phone 701-477-7862
Fax 701-477-7892
www.tm.edu

Solar Energy Instructor

Position Title: Solar Energy Instructor
Contract Term: 9-month Academic year
Accountable To: Dean of CTE
Salary: \$63,147 minimum

Summary of Position: To provide post-secondary, learner-centered instruction in Trades Department – Solar Energy as a member of an instructional team of full-time and adjunct instructors. Encourage a culture of learning that values mutual responsibility, life-long learning, as well as personal and professional development. To carry out the mission of the institution, to include incorporating the local culture throughout the curriculum.

The successful candidate will join our dynamic faculty and contribute to our growing program in renewable energy. The instructor will be responsible for teaching undergraduate courses, developing curriculum, conducting research, and engaging with students, industry partners, and the community to advance knowledge and application of solar energy technologies.

Key Responsibilities: Teach courses in solar energy, including but not limited to solar photovoltaics, solar thermal systems, and solar energy systems design.

- Develop and update curriculum to reflect advancements in solar energy technologies and industry needs.
- Mentor and advise students on academic and career goals related to solar energy.
- Conduct research and publish findings in reputable journals and conferences.
- Collaborate with industry partners to facilitate internships, research opportunities, and community engagement.
- Participate in departmental meetings, committees, and other service activities.

The responsibilities of a full-time faculty member are divided into the four categories: teaching, advising, service and scholarship to the College and the community.

TEACHING: The key purpose of the College and therefore of faculty, is instruction. Enabling students to fulfill their total personal, intellectual, and vocational objectives constitute the heart of faculty responsibility.

- Classroom and laboratory preparation, instruction and supervision of students.
- Effectively maintain and manage the classroom, through the creation a vibrant learner-centered teaching atmosphere.
- Community instruction such as preparation and presentation of College course work off-campus, workshop, seminars, and in-service for professionals and others.
- Measurement of student performance including the preparation, administration, grading and evaluation of student coursework, and the reporting of grades in a timely manner.
- Coordination and assessment of academic courses and programs.
- Periodic evaluation of library holdings and recommendations of books
- Development of new courses and programs of study.
- Implementation and participation in service learning project(s).
- Develop and follow an “Individual Professional Development Plan (IPDP)” as prescribed by TMCC’s faculty salary policy manual.



Turtle Mountain Community College

10145 BIA Road 7
P.O Box 340
Belcourt, ND 58316
Phone 701-477-7862
Fax 701-477-7892
www.tm.edu

Solar Energy Instructor

- To conduct assessment through pre and post-test methods to measure effectiveness of instruction.
- Other tasks as needed.

ADVISING:

- Post schedules and maintain office hours.
- Providing educational guidance and assistance for students by planning schedules, recommending courses and determining appropriate education solutions
- Track the progress of students
- Refer to appropriate resources as needed
- Other tasks as needed.

SERVICE

- Service on departmental, self-study or institutional committees.
- Participation in College sponsored activities such as recruiting students, graduation activities, and other planned activities and meetings.
- Coordination, advisement, and supervision of student activities, organizations and clubs directly related to the academic programs.
- Coordination, advisement, and supervision of student activities, organizations or clubs not directly related but supplemental to academic programs.
- Development, implementation and sharing of results of college and/or community service learning projects.
- Initiation and/or participation in civic engagement activities.
- Other tasks as needed.

SCHOLARSHIP

- Participate in faculty development initiatives.
- Ongoing research that leads to the discovery of new knowledge, proficiency and growth in one's field.
- Publication and dissemination of scholarly writing.
- Serve as a peer reviewer for scholarly writing.
- Holding office or membership in professional organizations.
- Attending and participating in meetings, conferences and conventions of professional associations.
- Writing proposals for research or other projects that support academics.
- College connected consultation or professional community service.
- Continuous research and implementation of effective teaching methods and materials.
- Other tasks as needed.

EDUCATION AND EXPERIENCE:

Minimum Qualifications:

- A minimum of an associate degree or its equivalent, as determined by the North Dakota State Board for Career & Technical Education Postsecondary Instructor Certification Standards.
- Demonstrated expertise in solar energy technologies, with a strong background in solar photovoltaics and/or



Turtle Mountain Community College

10145 BIA Road 7
P.O Box 340
Belcourt, ND 58316
Phone 701-477-7862
Fax 701-477-7892
www.tm.edu

Solar Energy Instructor

solar thermal systems.

- Prior teaching experience at the college or university level is highly desirable.
- Excellent communication and interpersonal skills, with a commitment to student success and academic excellence.
- Ability to work collaboratively with faculty, staff, students, and industry partners.
- Willingness and ability to travel and teach at various hours and locations, as necessary.
- Acceptance of and willingness to support the role that tribal community colleges serve in higher education, specifically the mission, values, goals, culture, and objectives of Turtle Mountain Community College.